Magnetic Oil Filter Housing cap FAQ

Q: What is the benefit of removing ferrous particles from oil circulation?

A: While ferrous particles may be an indication of a serious problem, it is not always the case. Even a healthy engine will shed a fine amount of ferrous particles due to internal friction, these particles can in turn lead to premature wear of engine components if not removed from oil circulation.

Q: How can this cap be used for Diagnostic purposes?

A: By withholding any ferrous particles that are captured, the user is able to directly see any particles that may be shed between oil change intervals. This allows for an efficient monitor of engine component health, alerting the user to any critical friction issues within their engine.

Q: What Engine components could result in ferrous particles?

A: Below are some internal engine components which are exposed to friction and could result in ferrous particles:

Camshafts
Rockers/Lifters
Valve Springs
Valve Spring Retainers
Piston Rings
Cylinder Walls
Oil Pump Gear
Thrust Bearings
Main Bearings
Rod Bearings
Crankshaft

Q: How does this cap augment the engine oil filter?

A: The majority of ferrous particles that are shed by engines are very fine and micronic in size. Most traditional paper oil filters can not filter particles smaller than 10 microns, as a result many ferrous particles can pass right through due to their size. Our magnetic filter caps are able to remove much of those particles from circulation, before they pass through the paper oil filter.

Q: How is the magnet secured?

A: The magnet is retained by way of interference fit, this creates a relatively solid union which would require substantial force or potential machine operation to be broken. We've tested our magnetic oil filter caps over thousands of miles with no indication of failure (measured position of magnet with a height gauge to ensure absolutely no deviation from initial installed position). We scrutinize our products continuously to ensure safe and effective results.